

**Notice of Allowability**

Application No.

09/665,241

Examiner

Joseph R. Maniwang

Applicant(s)

SILBERSTEIN ET AL.

Art Unit

2144

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 10/24/07.
2. ☒ The allowed claim(s) is/are 26,27,29-45 and 47-50.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All b) ☐ Some\* c) ☐ None of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material

5. ☐ Notice of Informal Patent Application

6. ☒ Interview Summary (PTO-413),  
Paper No./Mail Date 20080118.

7. ☒ Examiner's Amendment/Comment

8. ☒ Examiner's Statement of Reasons for Allowance

9. ☐ Other \_\_\_\_\_

*W. J. VAUGHN*  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2100

Continuation of Substance of Interview including description of the general nature of what was discussed: Examiner suggested SPE-approved claim amendments to overcome 35 U.S.C. 101 issues regarding claims 38 and 45, as well as to fix the dependency of claim 29 in order to place application in condition for allowance. Applicant agreed to the proposed changes and authorized Examiner's Amendment..

### EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.
2. Authorization for this examiner's amendment was given in a telephone interview with Attorney Hunger E. Webb (Reg. No. 54,593) on 01/18/08.

3. The application has been amended as follows:

**Claims:**

Claim 29. (Currently amended) The method of claim ~~[[28]]~~26, wherein the performing step for one of the set of workflow sequence entries includes:

sending a notification of a required translation step to a user; and  
receiving confirmation that the required translation step has been completed.

Claim 38. (Currently amended) A computerized system for managing website content, the system comprising:

a processor;

means for managing an abstraction layer that organizes data for a plurality of source and target content objects using paths having a consistent format to reference the plurality of source and target content objects, wherein each of the plurality of source

and target content objects comprises one of a plurality of resource types, and wherein the abstraction layer defines a unique path for locating the data for each of the plurality of source and target content objects regardless of the corresponding resource type and a corresponding type of data schema used to store each of the plurality of source and target content objects;

managing a set of object links that use the abstraction layer, wherein each object link comprises an identifier for a source content object for a source website, an identifier for a target content object for a destination website that includes content that is a localized version of at least some of the source website that is customized to differ from the source content according to a locale, and one of the plurality of object link types, wherein each of the plurality of object link types corresponds to a unique localization operation;

means for receiving a modification of data for the source content object;

means for obtaining an object link for the source content object from the set of object links;

means for determining the target content object based on the object link; and

means for updating data from the target content object using the paths for the target content object and the source content object in the abstraction layer based on the modified data from the source content object and the object link type for the object link,

wherein the object link type comprises a translate link and wherein the means for updating includes:

means for obtaining a translation definition based on the object link, wherein the translation definition includes a link details ID, a source language and a target language;

means for obtaining a set of workflow sequence entries based on the link details ID in the translation definition; and

means for performing each workflow sequence entry in the set of workflow sequence entries in a required order to translate the source content object into the target content object by at least one of: translating the source content object from the source language to the target language or localizing the source content object.

Claim 45. (Currently amended) A computerized system for managing website content, the system comprising:

a processor;

means for managing a set of projects, wherein each project comprises a set of content objects for a unique website;

means for managing a set of project links, wherein each project link defines an update relationship between a source project at a source website and a target project at a destination website that includes content that is a localized version of at least some of the source website that is customized to differ from the source content according to a locale and wherein each project link comprises one of a plurality of project link types, wherein each of the plurality of project link types corresponds to a unique localization operation;

means for managing a set of object links, wherein each object link defines an update relationship between a source content object in the source project and a target content object in the target project and wherein each object link comprise one of a plurality of object link types;

means for creating a new source content object in a set of source content objects for the source project;

means for automatically generating a new target content object in a set of target content objects for the target project based on one of the set of project links;

means for automatically generating a new object link based on the one of the set of project links, the new source content object, and the new target content object; and

means for updating data for the target content object based on the modified data for the source content object and the object link type for the object link,

wherein the object link type comprises a translate link and wherein the means for updating includes:

means for obtaining a translation definition based on the object link, wherein the translation definition includes a link details ID, a source language and a target language;

means for obtaining a set of workflow sequence entries based on the link details ID in the translation definition; and

means for performing each workflow sequence entry in the set of workflow sequence entries in a required order to translate the source content object into the target content object by at least one of: translating the source content object from the source language to the target language or localizing the source content object.

***Allowable Subject Matter***

4. Claims 26, 27, 29-45, and 47-50 are allowed.
5. The following is an examiner's statement of reasons for allowance:
6. The closest prior art is Challenger et al. (U.S. Pat. No. 6,216,212), hereinafter referred to as Challenger, and Huynh et al. (U.S. Pat. No. 6,973,656), hereinafter referred to as Huynh.
7. Challenger disclosed a method and system comprising managing an abstraction layer (e.g., API) that organizes data for a plurality of source and target content objects (e.g., cached object) using paths (e.g., object dependence) having a consistent format ("**APIs (FIG. 4)** for specifying what **underlying data**, e.g., database records, a **cached object depends upon**", see column 8, lines 3-10), wherein each of the plurality of source and target content objects comprises one of a plurality of resource types ("a wide variety of **types**...the object 6 maybe be of several **types**", see column 10, lines 17-20), and wherein the abstraction layer defines a unique path for locating the data for each of the plurality of source and target content objects regardless of the corresponding resource type and a corresponding type of data store used to store each of the plurality of source and target content objects ("underlying data structures which represent **object dependence graphs**", see column 14, lines 58-63); managing a set of object links that interfaces with the abstraction layer, wherein each object link comprises an identifier for a source content object for a source website, an identifier for a target content object for a destination website that includes content that is a localized version

of at least some of the source website, and one of a plurality of object link types, wherein each of the plurality of object link types corresponds to a unique localization operation ("maintains the underlying... **object dependence** graphs... Application programs 97 communicate... via a set of cache **APIs**... it must **identify** which complex objects co1, co2 have been affected", see column 8, lines 30-42); receiving a modification of data for the source content object ("notified of **changes to a record**... can determine which complex objects have **changed**", see column 8, lines 36-40); obtaining an object link for the source content object from the set of object links ("can determine which complex objects have changed by **examining edges**", see column 8, lines 40-42); determining the target content object based on the object link ("that r1 has changed... **G 121' implies that co1 has also changed**", see column 8, lines 40-45); and updating data for the target content object using the paths for the target content object and the source content object in the abstraction layer based on the modified data for the source content object and the object link type for the object link ("Whenever an application program 97 modifies a record... The cache manager... **updates all cached objects with dependencies on the record** (s) which has changed", see column 9, lines 18-28).

8. Huynh disclosed a method and system comprising managing an abstraction layer that organizes data for a plurality of source and target content objects using paths having a consistent format (see column 5, line 63 through column 6, line 30), wherein each of the plurality of source and target content objects comprises one of a plurality of resource types (see column 7, lines 48-53), and wherein the abstraction layer defines a



unique path for locating the data for each of the plurality of source and target content objects regardless of the corresponding resource type and a corresponding type of data store used to store each of the plurality of source and target content objects (see column 7, lines 54-65); managing a set of object links that interfaces with the abstraction layer, wherein each object link comprises an identifier for a source content object for a source website, an identifier for a target content object for a destination website that includes content that is a localized version of at least some of the source website, and one of a plurality of object link types, wherein each of the plurality of object link types corresponds to a unique localization operation (see column 4, lines 30-35; column 7, lines 54-65; column 9, lines 18-20, 37-44); receiving a modification of data for the source content object (see column 13, lines 19-25); obtaining an object link for the source content object from the set of object links (see column 13, lines 25-33); determining the target content object based on the object link (see column 13, lines 27-33); and updating data for the target content object using the paths for the target content object and the source content object in the abstraction layer based on the modified data for the source content object and the object link type for the object link (see column 8, lines 37-46; column 13, lines 34-42).

9. The prior art references of record do not teach alone or in combination all the limitations together within the independent claims 26, 38, and 45. For example, the independent claims contain the limitation "wherein the object link type comprises a translate link and wherein the updating step includes: obtaining a translation definition based on the object link, wherein the translation definition includes a link details ID, a

source language and a target language; obtaining a set of workflow sequence entries based on the link details ID in the translation definition; and performing each workflow sequence entry in the set of workflow sequence entries in a required order to translate the source content object into the target content object by at least one of: translating the source content object from the source language to the target language or localizing the source content object." While the prior art of record generally teaches localization of content, the particular mechanisms claimed in doing so are not explicitly recited within the teachings of Challenger or Huynh. Therefore, the independent claims 26, 38, and 45 have allowable subject matter and are allowable over the prior art of record. The dependent claims of these claims are also allowable.

10. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Response to Arguments***

11. Applicant's arguments filed 10/24/07 with respect to claims 26, 27, 29-45, and 47-50 have been fully considered and are persuasive. The rejection of the claims has been withdrawn.

12. Additionally, an Examiner's Amendment to independent claims 38 and 45 has been made to overcome rejections under 35 U.S.C. 101. Previously, in light of the Specification p. 52, lines 1-10, the "means" language read as software per se.

Accordingly, as described in the Specification, a hardware element ("a processor") has been added to the body of the claim to ensure that claims 35 and 45 are directed to statutory subject matter.

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Joseph R. Maniwang whose telephone number is (571) 272-3928. The examiner can normally be reached on Mon-Fri 8:00-4:30.

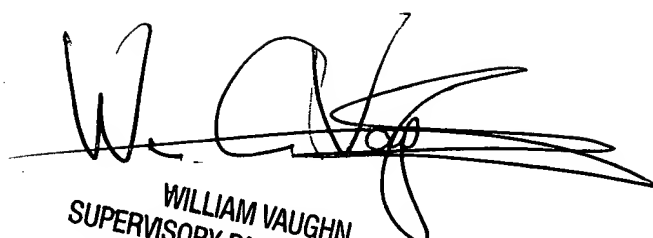
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William C. Vaughn can be reached on (571) 272-3922. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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